



# आरता का राजापत्र

## The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 25] नई विलासी, शनिवार, जून 19, 1982 (ज्येष्ठ 29, 1904)

No. 25] NEW DELHI, SATURDAY, JUNE 19, 1982 (JYAIESTHA 29, 1904)

इस भाग में भिन्न पृष्ठ संख्या वाली जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 19th June, 1982

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGDISH BOSE ROAD,  
CALCUTTA-700 017.

The dates shown in crescent brackets are the dates claimed  
under section 135, of the Act.

13th May, 1982

534/Cal/82. BBC Brown, Rover & Company Limited. Switching amplifier.

535/Cal/82. Palitec project company GMBH. Two-for-one twisting spindle.

536/Cal/82. Robert Bosch GmbH. Device for detecting a pre-determined angular position of a rotary member, particularly the commencement of delivery position of the drive shaft of a fuel injection pump for an internal combustion engine.

537/Cal/82. Suncor Inc. Improvements in or relating to the process for destabilization of sludge with hydrolyzed starch flocculants.

[Divisional date 2nd August 1978]

14th May 1982

538/Cal/82. Indian Explosives Limited. Improved cap-sensitive small diameter slurred explosive composition—117 GT/82

tions and method for the production thereof. [22nd Nov, 1978].

539/Cal/82. Sperry Corporation. Power transmission.

540/Cal/82. Sperry Corporation. Power transmission.

541/Cal/82. Sperry Corporation. Power transmission.

542/Cal/82. Hoechst Aktiengesellschaft. Water-soluble disazo compounds, a process for their preparation, and their use as dyestuffs.

543/Cal/82. Trutzschler GmbH & Co. KG. Control device of a card of carding machine.

544/Cal/82. ABBA Services. An improved method and an apparatus for the preparation of explosive slurry composition and means for delivering the same into a borehole.

545/Cal/82. H. F. & Ph. F. Reemtsma GmbH & Co. Process for treating tobacco to improve its filling capacity.

546/Cal/82. Metal Box F. I. Scanning rolls and chucks  
(14th May 1981)

547/Cal/82. Cabot Corporation. Production of carbon black.

548/Cal/82. Cummins Engine Company, Inc. Electro optic controlled piston ring installing apparatus.

15th May, 1982

549/Cal/82. Barr & Stroud Limited. Tracking link. (15th May, 1981).

550/Cal/82. Nitto Chemical Industry Co., Ltd. Process for improving activity of tellurium containing metal oxide catalysts

551/Cal/82. Reckitt & Colman of India Limited. Improvements in or relating to a cap for use particularly with deformable containers.

552/Cal/82. Reckitt & Colman of India Limited. A cap and a container having the said cap for purposes of storing.

17th May 1982

553/Cal/82. Biotol Kenli Ab. Flotation process.

554/Cal/82. Davy McKee Ag. Method for producing spinnable polyamides.

555/Cal/82. Omark Australia Ltd. Rail fastening means. [25th January, '82].

18th May, 1982

556/Cal/82. A. H. Robins Company, Incorporated. Method of treating cardiac disorders with N-(aryloxalkyl)-N'-(aminoalkyl) ureas.

557/Cal/82. A. H. Robins Company, Incorporated. N-(arylthioalkyl)-N'-(aminoalkyl).

558/Cal/82. Kennecott Corporation. Solid-Mette Oxygen Converting Process.

559/Cal/82. The Babcock & Wilcox Company. Roller supporting means for long retracting sootblowers.

560/Cal/82. Sitaram Khatore. A process for the preparation of an effective medicine for jaundice.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III FLOOR, KAROL BAGH, NEW DELHI 5.

19th April, 1982

310/Del/82. Council of Scientific and Industrial Research. "Process for the preparation of a new RNA-Degrading protein, RNA ase SPL, from SEMINALPLASMA". [Divl. date January 25, 1979].

311/Del/82. Council of Scientific and Industrial Research. "Process for the preparation of a New 'RNA-Degrading Protein, RNA ase SPL, from Seminalplasma in pure form'" [Divl. date January 25, 1979].

20th April, 1982

312/Del/82. Molins of India Limited. 'Table feed device'.

313/Del/82. National Research Development Corporation of India. "A process".

314/Del/82. National Research Development Corporation of India. "An apparatus".

315/Del/82. National Research Development Corporation of India. "A dryer".

316/Del/82. B. K. Chakravarthy, K. D. Gode, & Saroj Gupti. "Diabetone Capsules".

317/Del/82. Santa Barbara Research Centre. "Reference channel for sensing optical contamination".

318/Del/82. UOP, INC. "Process for separating esters of fatty and rosin acids".

21st April, 1982

319/Del/82. Santa Barbara Research Centre. "Dual spectrum fire sensor with discrimination".

23rd April, 1982

320/Del/82. William Nevil Heaton Johnson. "Boot or shoe incorporating pedometer or the like". April 25, 1981 & September 28, 1981.

26th April, 1982

321/Del/82. MCC Associates. "Method of damping a stepping motor".

322/Del/82. UNIROYAL, INC. "Temperature controlled release composition".

323/Del/82. Societe Chimique des Charbonnages S.A. "Modified copolymers of ethylene and  $\alpha$ -olefin, and a process for their preparation".

324/Del/82. BP Chemicals Limited. 'Polyurethane foams'. (April 25 1981).

27th April, 1982

325/Del/82. Fuyer Aktiengesellschaft. 'A symmetrical 1:2 chromium complex/oleic stuff'.

326/Del/82. USS Engineers and Consultants, Inc. "Basic refractory cementitious materials and components thereof". (April 29, 1981).

327/Del/82. Council of Scientific and Industrial Research. "A device for burning solid fuels for domestic cooking and like purposes".

328/Del/82. Council of Scientific and Industrial Research. "A device for burning coal for domestic cooking".

28th April, 1982

329/Del/82. Bhushan Lal Mittal. "A crystallizer".

330/Del/82. Bhushan Lal Mittal. "A process of crystallisation."

331/Del/82. Khosla Engineers. "A machine for overwrapping of collated products."

332/Del/82. Pfizer UB Inc. "Crystalline benzothiazine dioxide salts."

333/Del/82. Pfizer Inc. "Water-Soluble Benzothiazine Dioxide Salts."

334/Del/82. Andre Lucien Pineau. "Improvements in or relating to shock and/or vibration damping device for use between a supporting element and a supported element."

335/Del/82. Gopi Nath Pal, Rajendra Kumar Pal, Ram Lal Kureel and Ram Lakhman Pal. "Improvement in or relating to heat engines turbines."

336/Del/82. Altaf Ahmed Madani. "A mechanical device for conversion of automobiles using gasoline as fuel into use of kerosene as fuel for running."

29th April, 1982

337/Del/82. Gastetner Manufacturing Limited. "Multi-Cylinder Stencil Duplicator and Ink Screen Therefor." (May 22, 1981).

338/Del/82. The Halcon SD Group, Inc. "Process for Producing Alkylene Carbomates."

339/Del/82. Gastetner Manufacturing Limited. "Multi-Cylinder Stencil Duplicator. (May 22, 1981).

340/Del/82. Schering Aktiengesellschaft. "Xylite derivatives having a plant growth regulating action and their manufacture and use".

30th April, 1982

341/Del/82. Millard P. Saylor. "Wire connection."

342/Del/82. The Babcock & Wilcox Company. Start-Up systems for Once-Through Boilers."

343/Del/82. USS Engineers and Consultants, Inc. "Valve suitable for controlling teeming from Furnace Tepholes." (May 1, 1981).

344/Del/82. Allis-Chalmers Corporation. 'Bi-Flow rotary kiln coal gasification process'.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, III FLOOR, SUNMIIL COMPOUND, LOWER PARLI (W), BOMBAY-400 013

15th April 1982

95/Rom/82. THE BOMBAY TEXTILE RESEARCH ASSOCIATION. An opto-electronic instrument for

automatic measurement and digital display of span length parameters of cotton and other staple fibres.

96/Bom/82. HINDUSTAN EVER LIMITED. Process for the selective hydrogenation of fatty acid derivatives and selectively hydrogenated fatty acid derivatives.

97/Bom/82. DR RACHHPAL SINGH BAIL. Gravitational wheel of energy.

98/Bom/82. ANIL KUMAR MAHALAHA. An extrusion machine for uniformly coating or covering short rod or rods with a pasty or plastic substance.

17th April 1982

99/Bom/82. HINDUSTAN ANTIBIOTICS LTD. An improved process for purification of penicillin acylases.

19th April 1982

100/Bom/82. MR. & MRS. BRIJ BHOOSHAN VISHWAKARMA. Coal burning domestic chulha.

21st April 1982

101/Bom/82. SUNIL MADHUKAR LOKHANDE. An improved television antenna.

23rd April 1982

102/Bom/82. CROMPTON GREAVES LTD. Improvements in or relating to metallic electric fan blade.

103/Bom/82. HOMI RUSTOM VAKIL. A self-lighting naval buoy.

24th April 1982

104/Bom/82. BABUBHAI NANUBHAI PATEL. Auto-stop sowing machine.

105/Bom/82. BABUBHAI NANUBHAI PATEL. Munjal multipurpose mover cum rotor.

106/Bom/82. BABUBHAI NANUBHAI PATEL. Endvalve.

107/Bom/82. BABUBHAI NANUBHAI PATEL. Groundnut separator.

108/Bom/82. BABUBHAI NANUBHAI PATEL. Heavy weight jack.

109/Bom/82. PRAFULLACHANDRA RAJABHAI DEO & ANIL HARI KELKAR. An auto controlled single polyphase frequency dependent resistance.

26th April 1982

110/Bom/82. GANESH PRASAD MISHRA. Device to convert petrol engine into kerosene/diesel engine.

111/Bom/82. VANMALI MAHIPAT ATRE. Improved compressor.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

27th April, 1982

80/Mas/82. N. S. V. SINNIAH. An improved injector.

81/Mas/82. Y. S. Chandrasekhar. Brightness or light intensity control and control of electrical energy consumption for gas discharge lamps of all types (including fluorescent tube lights, mercury vapour lamps, halogen lamps, medium lamps, neon lamps etc.)

28th April, 1982

82/Mas/82. The South India Textile Research Association. A process and a device for producing suture threads and suture threads produced thereby.

83/Mas/82. A. Sahadur. A kitchen machine.

1st May, 1982

84/Mas/82. H. N. Ravi. A double distiller.

3rd May, 1982

85/Mas/82. M. Veerghese. Manufacture of "Metal Panel with resin impregnated paper honey combed center."

86/Mas/82. E. M. Rajuathan. Improvements in or relating to filter press "S. F. Filter cum Volumetric Filling Machine".

5th May, 1982

87/Mas/82. Carborundum Universal Ltd. Silicon nitride bonded silicon carbide.

6th May, 1982

88/Mas/82. Carborundum Universal Ltd. A process for manufacturing refractory casseroles and refractory casserole made thereby.

89/Mas/82. Lucas Industries Limited. Brake Isolater Valve. (May 7, 1981).

10th May, 1982

90/Mas/82. M. Ramabhadran and C. K. Bhaskar. Resistance to impact testing device.

91/Mas/82. M. Ramabhadran and C. K. Bhaskar. Pipe testing device.

92/Mas/82. H. N. Ravi. A distiller.

93/Mas/82. Central Machine Tool Institute. Solid state limit switch.

94/Mas/82. L. V. Moss. An Emitter for use in Drip Irrigation.

12th May, 1982

95/Mas/82. Dr. R. Balasubramanian. Space filling bond models for molecules.

14th May, 1982

96/Mas/82. Dr. J. Thaikkattil, A. A. Thaikkattil, L. Thaikkattil and T. D. Anna. A heating pot.

97/Mas/82. Dr. J. Thaikkattil, A. A. Thaikkattil, L. Thaikkattil and T. D. Anna. A pot with a novel pour spout.

98/Mas/82. Dr. J. Thaikkattil, A. A. Thaikkattil, L. Thaikkattil and T. D. Anna. Improvements in or relating to pressure cookers.

99/Mas/82. Dr. J. Thaikkattil, A. A. Thaikkattil, L. Thaikkattil and T. D. Anna. An improved cooker.

100/Mas/82. M. Vladimir. A pneumatic earth displacement self propelled bore.

15th May, 1982

101/Mas/82. M. A. Nambiar. Jagrath.

102/Mas/82. J. V. Chandrashekhar, J. C. Prasad and J. C. Anand. Vertical air heater.

103/Mas/82. J. V. Chandrashekhar, J. C. Prasad and J. C. Anand. A tea balling and drying machine.

104/Mas/82. J. V. Chandrashekhar, J. C. Prasad and J. C. Anand. Tea balling machine.

105/Mas/82. J. V. Chandrashekhar, J. C. Prasad and J. C. Anand. Roller Machine.

106/Mas/82. J. V. Chandrashekhar, J. C. Prasad and J. C. Anand. Circle roller machine.

107/Mas/82. J. V. Chandrashekhar, J. C. Prasad and J. C. Anand. Tea drying machine.

#### ALTERATION OF DATE

149973

— Ante dated 15th May, 1978.

19/Del/81

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kumar Shankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS-86A & B.

149961.

Int. Cl. A 47C 3/00.

#### IMPROVED RECLINING CHAIR.

Applicants: JASON LA-Z-BOY CHAIR COMPANY PTY., OF CORNER ORRONG ROAD AND PILBARA STREET, WELSHPOOL, COMMONWEALTH OF AUSTRALIA.

Inventor: EDWARD GRANSTON.

Application No. 1050/Cal/78 filed Sept. 22, 1978.

Convention date 22nd September, 1977 (PD 1776/77) Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 8 Claims.

A recliner chair having a base, a seat frame, and a back frame, the back frame and seat frame each being pivotally mounted to the base and being pivotally interconnected such that on rearward pivoting action of the back frame from the upright position the seat frame is moved therewith to define a reclining surface, characterised in that the base is divided into an upper and lower position slidably mounted together for relative sliding motion in the direction of the force and at axes of the chair, wherein the lower portion of the base is connected to the back and/or seat frame via a linkage to cause the upper portion of the base to slide forwardly on the lower portion with rearward movement of the back frame from the upright position, said linkage comprising a lever arm pivotally mounted at an intermediate point to the upper portion of the base, the ends of the lever arm being connected respectively to the lower portion of the base and to the back and/or seat frame.

Compl. Specn. 7 Pages.

Drg. 3 Sheets.

CLASS-144D & 173A & B.

149962.

Int. Cl. B05C (11/16).

#### PAINT SPRAY BOOTH INSTALLATION WITH WATER WASH.

Applicants:—THOMAS JOHN KLEARNEY, OF 34 DROITWICH ROAD, WORCESTER WR3 7LH, ENGLAND.

Inventor:—THOMAS JOHN KLEARNEY.

Application No. 1104/Cal/78 filed October 12, 1978.

Convention date 14th October, 1977 (42739/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 11 Claims.

A paint spray booth installation including a water tank from which water is withdrawn by a pump to feed a washing system for washing sprayed paint from the booth into the tank, wherein the tank is divided into two communicating regions by a baffle plate extending from the side wall of the tank over a major part of the width of the tank and from the bottom of the tank to a height sufficient to break the surface of the

water, characterized in that the inlet to the pump is located near the said end wall in a first of the said regions, a surface removal device is located close to the pump inlet and is arranged to transfer floating paint from the vicinity of the pump inlet into the second of the said regions, the water in the second region being subject to agitation by water falling onto the surface from a said washing system, and a surface baffle extending between the baffle plate and a wall of the tank is arranged to hold back floating material while allowing free circulation below the surface baffle away from the second region towards the pump inlet.

Compl. Specn. 9 Page.

Drg. 2 Sheets.

CLASS-6 A & D.

149963.

Int. Cl. A01b 35/02.

#### AN AGRICULTURAL IMPLEMENT PARTICULARLY A MULTIPURPOSE HARROW, LEVELLER-CULTIVATOR FOR CULTIVATING AGRICULTURAL LANDS.

Applicants:—AGRO-COMMERCIAL, OF 13 GANESH CHANDRA AVENUE, CALCUTTA-700013, WEST BENGAL, INDIA.

Inventor:—BALESHWAR MAHESH AGERWALA.

Application No. 168/Cal/79 filed February 23, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

An agricultural implement particularly a multipurpose harrow, leveller-cum-cultivator for cultivating agricultural lands and the like comprising a main frame, a plurality of slats provided inside the said main frame and are pivotably mounted to the side frame of the said main frame by means of bolts, said side frames having slots corresponding to the said slats such that the said slats can be slid or tilted within said slots and may be held at any desired angle by means of the said bolts, a plurality of spikes being mounted to the said slats, a bracket provided with each of said plurality of slats, said brackets being connected by a common rod forming a level such that the angle of all the slats and the spikes mounted thereon can together be tilted according to requirements, an adjustable roller provided with said implement either in the front or on the rear held by means of brackets extending from the said main frame.

Compl. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS-55E.

149964.

Int. Cl. A 231 1/22.

#### A METHOD OF PREPARING A COMMON SALT COMPOSITION.

Applicants:—SUOMEN LAAKETEHdas OY SALCO, OF POROLANTIE 18A, 13130 HAMEENLINNA 13, FINLAND.

Inventor:—ULIKKI KARPPANEN AND EERO BERG VIST.

Application No. 170/Cal/79 filed February 24, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims. No Drawing

A method of preparing a common salt composition comprising admixing sodium chloride, 5-50% by weight of the total composition of a physiologically acceptable potassium compound and 5-50% by weight of the total composition of a physiologically acceptable magnesium compound.

Compl. Specn. 11 Pages.

Drg. Nil.

CLASS-71B

149965.

Int. Cl. F 28 g 7/00.

#### DEVICE FOR SCRAPPING OFF DEPOSITS FROM INTERNAL SURFACES OF ELONGATED TUBES.

Applicants:—MITSUI TOATSU CHEMICALS, INCORPORATED AND TOYO ENGINEERING CORPORATION, OF NO. 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO JAPAN.

Inventor:—SAEAO ARAI AND TAKANOBU NUMATA.

Application No. 923/Cal/79 filed September 4, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims.

A device for scraping off deposit from the internal wall surface of an elongated tube of relatively small diameter, in which reaction, polymerization, crystallization, evaporation, absorption, cooling, heating or fluid transport is carried out, comprising a helical coil spring which is installed inside said tube to closely contact with or having small clearance from the internal wall of said tube and adapted to be reciprocally movable and/or rotatable said spring scraping off the deposit from the internal wall surface of said tube.

Compl. Specn. 12 Pages

Dig. 1 Sheet

CLASS-167G

149966.

Int. Cl. B 07b 15/00;

STEVING ROLLER CONVEYOR FOR GREEN PELLETS.

Applicant:—METALGESELLSCHAFT A. G., OF 16 FRANKFURT A.M. RIETERWEG, WEST GERMANY.

Inventor:—ALLXANDER LEONHARDT.

Application No. 863/Cal/79 filed August 20, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims.

A sieving roller conveyor for conveying green pellets and for sieving off fines, comprising a series of pairs of horizontally disposed rollers, the clearance between the rollers being smaller than the smallest diameter of the pellets being conveyed, the rollers in each such pair being spaced apart by a cleaning clearance for the purpose of clearing the rollers from deposits on the rollers, the sets of pairs of rollers being spaced apart from each other by a sieving clearance for the purpose of sieving off undersize material, the sieving clearance being larger than the cleaning clearance, the rollers extending transversely to the direction in which the pellets are to be conveyed and being rotatably connected in a frame provided with drive means for driving the rollers in the direction in which the pellets are to be conveyed.

Compl. Specn. 7 Pages.

Dig. 2 Sheets.

CLASS 24D

149967.

Int. Cl. F 16 d 65 14

AN ACTUATOR ASSEMBLY FOR VEHICLE BRAKING SYSTEM.

Applicant:—LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor:—GLYN PHILLIP REGINALD FARR.

Application No. 223/Mas/79 filed December 11, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras.

20 Claims.

An actuator assembly for a vehicle braking system comprising in combination a booster operated by a brake pedal, an hydraulic master cylinder assembly operated by the booster and including a piston working in a first cylinder bore in a housing to pressurise fluid in a first pressure space for connection to a first braking circuit, mechanical transmission means also operable by the brake pedal for transmitting a force from the brake pedal to the piston, and a control valve assembly for controlling communication between an inlet for connection to a source of hydraulic fluid and an outlet for connection to a second braking circuit, the booster being operable upon initial operation of the brake pedal, the mechanical transmission means being operable only when the booster fails to operate, the piston being operable in response to the booster or to the mechanical transmission means, and the control valve assembly being operable in response to pressure fluid in the pressure space.

(Com. 16 pages,

Drwgs.—4 sheets)

CLASS 24 (L 17)

149968.

Int. Cl. F 16 d 37 14

A SELF ENERGISING DISC BRAKE.

Applicant:—LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor:—H. LMUT HLIBEL.

Application No. 57/Mas/80 filed March 22, 1980.

Convention date: March 27, 1979 (No. 7910604 United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims.

A self-energising disc brake of the kind set forth, in which angular movement of the pressure plates to initiate the application of the brake is effected by a brake-applying mechanism connected to radially projecting lugs on the plates and through which a brake applying force is applied to the plates, the mechanism comprising a pair of bell-crank levers of which one is pivotally connected to the radially projecting lug on one of the plates, and the other is pivotally connected to the radially projecting lug on the other plate, and a common compensating link coupled between the levers and through which an actuating rod acts on the levers, the levers being constrained against relative bodily movement by oppositely arranged links which are pivotally connected at opposite ends between the lug on one plate and the radially outermost pivotal point on the bell-crank lever which is connected to the lug on the other plate.

Com.—8 pages

Drwgs.—3 sheets

149969.

Int. Cl. F 05 b 37/02

IMPROVEMENTS IN OR RELATING TO COMBINATION LOCKING ARRANGEMENT.

Applicant & Inventor:—NIGIRI MITTU, 955/1, ZOO GARDEN ROAD, ITTIGE GUDU, MYSORE-570 010, KARNATAKA.

Application No. 76/Mas/80 filed April 14, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims.

A combination locking arrangement comprising a plurality of first and an equal number of second member, each of the said first member being provided with means for engaging with the corresponding means in the second member, the second member being adapted to be disengaged from the means provided in the first member at a particular position, and an actuating member connected to said first member, said actuating member being provided with indicators like numerals or signs to indicate the different positions of the corresponding first members connected thereto.

Com.—17 pages,

Drwgs.—3 sheets.

149970.

Int. Cl. C 04 b 13/06

A PROCESS FOR THE MANUFACTURE OF MORTAR OR THE LIKE CEMENTITIOUS MATERIAL FROM SODA RECOVERY LINE-SLUDGE AND BOILER-HOUSE CINDER.

Applicant:—TII SIRPUR PAPER MILLS LIMITED, P.O. SIRPUR-KAGHAZNAGAR, ADILABAD DIST., PIN CODE No. 504 296, ANDHRA PRADESH.

Inventor:—(1) KANH MAL BANTHIA.

(2) NAGENDRA DAVITA MISRA.

Application No. 150/Mas/80 filed August 8, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims. No drawing

A process for the manufacture of mortar or the like cementitious material, comprising pulverising lime-sludge from soda recovery plant admixing it with powdered boilerhouse cinder, in proportions of 30 per cent and 70 per cent respectively, adding fuel material such as saw dust, powdered coal, and charcoal, casting the resultant mix into briquettes and firing in a furnace, if in the clinkering stage.

(Com.—6 pages)

CLASS 92C

149971.

Int. Cl. B 02 b 3/00

A DEVICE FOR GRINDING, PULVERISING AND/OR DEHUSKING FOOD-GRAINS.

*Applicant & Inventor* :—KUMARASAMY SANKARAN, 310, WEST MASI STREET, MADURAI 627 002, TAMIL NADU.

Application No. 178/Mas 80 filed September 23, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims.

A device for grinding, pulverising and/or dehusking of food-grains comprising a driving motor whose drive is taken to a means as hereinbefore described for transposing rotary motion into reciprocatory motion which is transmitted through a connecting rod pivotally fixed on a frame member to a vertical ram rigidly attached to said connecting rod, the back and forth motion of said ram being utilised to process said food-grains kept within a mortar.

(Com.—5 pages;

Drawgs.—1 sheet)

CLASS 32F 2(b).

149972.

Int. Cl. C 07 d 91/54.

PROCESS FOR PREPARING 5-AMINO-1, 2, 3-THIADIAZOLES.

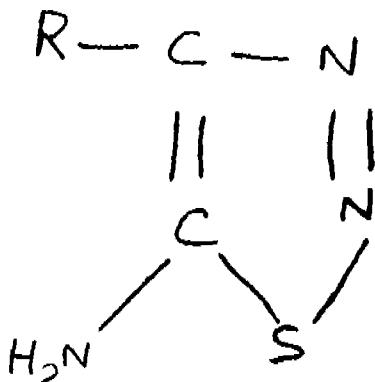
*Applicant* :—UBE INDUSTRIES LTD., OF 12-32, NISHI-HONMACHI 1-CHOME, UBE-SHI, YAMAGUCHI-KEN, JAPAN.*Inventors* :—MAMORU NAKAI, KATSUMASA HARADA AND YOSHIKATSU MORI.

Application No. 1378/Cal/80 filed December 12, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for preparing a 5-amino-1, 2, 3-thiadiazole represented by the formula I



wherein R represents a hydrogen atom, a lower alkyl group or an aryl group, which comprises bringing a diazoacetonitrile represented by the formula



wherein R has the same meaning as defined above, into contact with hydrogen sulfide in the presence of a base or with a salt of hydrogen sulfide, in a solvent.

Compl. Specn. 21 Pages

Drg. 1 Sheet.

CLASS 32F 2b

149973.

Int. Cl. C 07d 51/06

PREPARATION OF NOVEL 1-PIPERIDINOPHTHALAZINE DERIVATIVES.

*Applicants* :—PFIZER CORPORATION, OF CALLE 15½, AVENIDA SANTA ISABEL, COLON, REPUBLIC OF PANAMA.

*Inventor* :—PFIZER LIMITED

Application No. 149971 81 filed January 13, 1981.

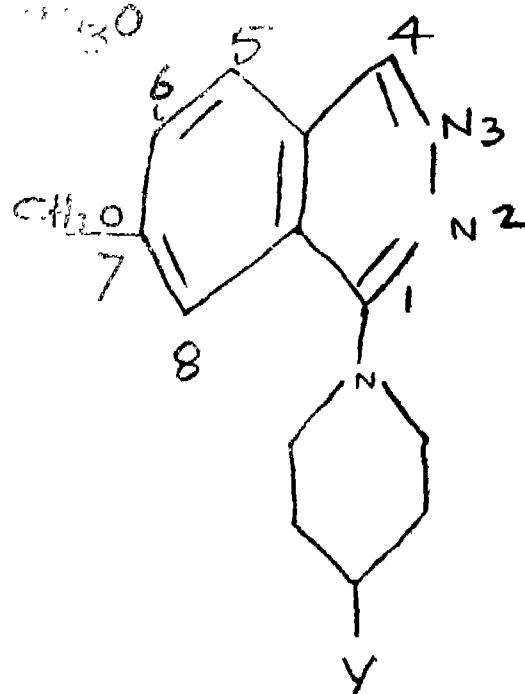
Convention date June 3, 1977 (23582/77) U.K.

Divisional date 15th May, 1978.

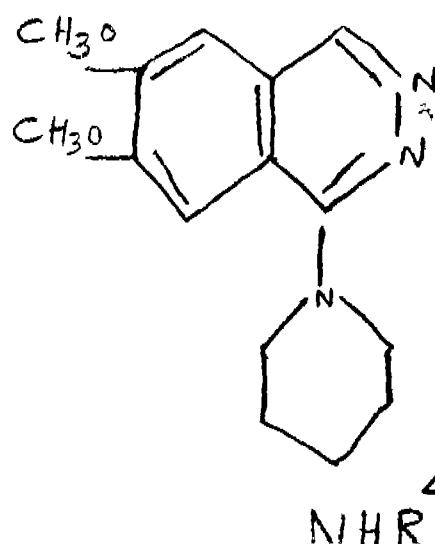
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Delhi Branch.

2 Claims.

A process for preparing a phthalazine of the formula I.



wherein Y is a group of the formula  $\text{NR}^1\text{COR}^3$ , wherein  $\text{R}^1$  is a lower alkyl, lower alkoxy or benzyloxy group, and  $\text{R}^3$  is a hydrogen atom or a lower alkyl group; which comprises reacting a phthalazine of the formula II,



wherein R<sup>4</sup> is as defined for R<sup>1</sup> to R<sup>3</sup>, with a cyclating agent or the formula (XOR<sub>1</sub>)<sub>2</sub>CO<sub>2</sub> wherein Q is chloro or bromo, R<sup>1</sup> is lower alkoxy or lower alkoxy substituted by phenyl, and R<sup>2</sup> is lower alkyl; followed by, optionally, conversion of the thus produced product of the formula I into a pharmaceutically acceptable salt by reaction with a non-toxic acid.

Compl. Specn. 28 Pages.

Drg. 4 Sheets.

CLASS-151A.

149974

Int. Cl. F21b 37/00, 43/00; , 03b 3/00.

A DEVICE FOR CLEANING, WIDENING AND REPAIRING OF WELLS.

Applicants:—CARLO EFLICE LEVONI AND GIAN PIERO LEVONI, OF CARETERA NEGRA 97 (APARTAMENTO 47), ANACO (VFNFZUELA).

Inventors:—CARLO EFLICE LEVONI AND GIAN PIERO LEVONI.

Application No. 154/C.I./78 filed February, 9th, 1978.

Convention date 21st December, 1977 (31845/77) Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A device for cleaning, widening and repairing of wells having a well-jacket, with holes therein, extending into the earth and being surrounded by a well-filter, the well-jacket ending at the upper portion thereof with a flange, characterised by the fact that it comprises: an air supply pipe for injecting compressed-air into the well, said air supply pipe capable of being extended by means of screwed sections and passing within the well-jacket along the axis of the device; a first valve connected to the upper end of said air supply pipe; a water and air discharge pipe, coaxially surrounding said air supply pipe within the well-jacket, for a length greater than that of said air supply pipe; said water and air discharge pipe being terminated at the upper end thereof with a bell which is airtightly connected to the periphery of said air supply pipe; a second valve, connected to the upper end of said water and air discharge pipe by means of a first port therein; a water discharge pipe connected to said second valve; a third valve connected to the upper end of said water and air discharge pipe by means of a second port therein; an air discharge pipe connected to said third valve; a head, airtightly connected at the upper end thereof to the outer periphery of the upper portion of said water and air discharge pipe below the first and second ports thereof, and terminating in a flange detachably secured to the upper flange of the well-jacket, said head having a port therein; and a pipe connected to the port of said head and gravity operated valve means, connected to the bottom of said water and air discharge pipe, for letting the well bottom sediments pass into the water and air discharge pipe when the valve is open.

Compl. Specn. 21 Pages.

Drg. 9 Sheets.

149975.

CLASS-152 F.

Int. Cl. B29 f. 5/00; B29f. 3/02.

METHOD AND DEVICE FOR MANUFACTURING PRODUCTS OF CROSSED LINKED HIGH-DENSITY POLYETHYLENE.

Applicants:—PONT-A-MOUSSON SA, OF 91 AVENUE DE LA LIBERATION 54700 NANCY (FRANCE).

Inventors:—GERARD MARIE DENIS, BERNARD MARIE GINGLINGER, AND CLAUDE MAURICE ROTHARMEI.

Application No. 187/Cal/78 filed February 18, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims.

A process for producing long products of cross-linked high-density polyethylene having a molecular weight of at least 200,000, comprising forming a mixture which is essentially a powdered mixture containing solid polyethylene and a cross-linking agent, charging the mixture into a heated substantially cylindrical die head, exerting a pressure on the mixture in the die head in a direction along the axis of the die head so as to

cause the mixture to enter the sintering region of the head while maintaining the sintering region of the die head at a temperature lower than the temperature at which the cross-linking agent becomes labile, decomposed but sufficient to cause fusion of the mixture and produce a formed material, and constraining the formed material issuing from the die head to enter a bath of molten salt located downstream of the die head relative to the travel of the formed material by first driving means located adjacent an inlet end of the bath and engaged with the formed material, the bath of molten salt having a temperature which causes the decomposition of the cross-linking agent and the cross-linking of the formed material in a cross-linking region of the bath, said second driving means driving the formed material at a rate which is higher than the rate at which the first driving means drives the formed material whereby the formed material is stretched upstream of said cross-linking region of the bath so that the formed material assumes the desired cross-sectional size before it is cross-linked.

Compl. Specn. 28 Pages.

Drg. 4 Sheets.

CLASS-187H

149976.

Int. Cl. H04b 1/16.

SUBSCRIBER LINE/TRUNK CIRCUIT.

Applicants:—INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor:—ROBERT TREIBER.

Application No. 304/Cal/78 filed March 21, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A circuit for providing interface between at least a single subscriber channel carrying bidirectional analog communication signals, and a digital circuit, including: analog-to-digital converter means for converting said analog communication signals to digital signals; signal processing means for selectively attenuating said digital signals coupled thereto from said converter by subtracting therefrom additional digital signals representative of undesired signals present in said channel, such that a composite digital output signal representative of said analog communication signals is derived by combining said digital signals and said additional digital signals; and, means for coupling said composite digital output signal to said digital circuit such that said undesired communication signals are substantially eliminated from said composite digital output signal.

Compl. Specn. 21 Pages.

Drg. 3 Sheets.

CLASS-154G

149977.

Int. Cl. B41 L 13/10.

IMPROVEMENTS IN OR RELATING TO STENCIL DUPLICATORS.

Applicants:—GESTETNFR LIMITED, OF FAWLEY ROAD, TOTTENHAM, LONDON N17 9LT, ENGLAND.

Inventor:—ALBERT GEORGE RONALD GATES.

Application No. 244/Del/78 filed April 3, 1978.

Convention date 29th April, 1977 (18132/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

11 Claims.

A stencil duplicator having a rotatable support for carrying a stencil during printing, a plurality of pins positioned to engage the perforated relatively stiff heading strip of an otherwise limp stencil to hold the stencil on the rotatable support during printing, and a device for loading a stencil onto the rotatable support; the stencil loading device comprising a pair of guide members movable between a first position in which a loading edge of a stencil can be registered in a predetermined position spaced from the surface of the rotatable support and a second position in which the guide members will hold the leading edge of the stencil in a position where during

rotation of the rotatable support and pins carried by the rotatable support can sweep past the guide members and enter holes disposed along the perforated leading edge portion of the stencil thereby entraining the stencil to be wound onto the rotatable support, wherein said guide members are pivotable relative to one another and providing a nip through which the leading edge of a stencil is inserted for loading, and wherein the guide members are provided with stops arranged so that when in said first position they define a nip of a given height to facilitate insertion of a stencil and when in said second position they define a height to the nip which is smaller than said given height so that the guide members co-operate to tension the stencil as it is dragged through the nip and is wound onto the rotatable support.

Compl. Specn. 20 Pages.

Drg. 3 Sheets

CLASS-187C

149978.

Int. Cl. H04m 3/06.

A DISTRIBUTED-CONTROL DIGITALLY-SWITCHED MULTIPLE SUBSCRIBER TELECOMMUNICATIONS SYSTEM.

Applicants:—INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors:—JOHN EDWARD COX, ROBERT TEIBER AND JOHN MICHAEL COTTON.

Application No. 401/Cal/78 filed April 11, 1978

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims.

A distributed-control digitally-switched multiple subscriber telecommunications systems, including (a) a plurality of standardized interface means, each providing an interface for at least one subscriber line to a common communications path and each of which interface means includes control means for deriving at least digital path selection control signals for each call coupled thereto; (b) a digital switching network coupled to said common communications paths for interconnecting said lines in response to said path selection control signals, the common communications paths for said interface means being coupled to respective inputs of said switching network such that call control is on a distributed basis throughout the call; and (c) means at each of said interface means for deriving digitized speech signals, such that said digital speech signals and said digital path selection control signals are multiplexed on the said common communication path for that one of said interface means.

Compl. Specn. 27 Pages.

Drg. 5 Sheets

CLASS-172D 9 & 4

149979.

Int. Cl. F 16 C 19/12, 35/06

BEARING FOR THE SHAFT OF AN OPEN-END SPINNING ROTOR.

Applicants:—SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-FERBERT-STRASSE 84,8070 INGOLSTADT GERMANY

Inventor:—HENRI VAN DIETSHUIZEN.

Application No. 413/Cal/78 filed April 13, 1978

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims.

A bearing for the shaft of an open-end spinning motor, and of the kind referred to, characterised by a stop means such as herein described which engages with the holder and acts on the latter in the direction opposite to that of the axial thrust of the shaft.

Compl. Specn. 5 Pages

Drg. 1 Sheet.

CLASS-133A

149980.

Int. Cl. H02f, 5/16;

IMPROVEMENTS IN OR RELATING TO CIRCUIT ARRANGEMENTS FOR USE IN CONTROLLING MOTOR

Applicants:—SIEMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, W.F.R. GERMANY.

Inventor:—WOLFGANG WIESNPR.

Application No. 490/Cal/78 filed May 4, 1978.

Convention date 12th Sept. 1977 (37884/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

17 Claims.

A circuit arrangement for controlling a motor which can be driven in either direction to adopt any one of a plurality of positions each of which is represented by a respective character, the circuit arrangement comprising means for producing a first evaluation signal in dependence upon the relative values of a first character which represents the actual position of the motor and a second character which represents a desired position to which the motor is to be driven, means for forming the difference between the values of the first and second characters, means for producing a second evaluation signal in dependence upon the relative values of said difference and half the number of possible positions of the motor, means for combining the first and second evaluation signals to form a control signal which represents the direction in which the motor must be driven to reach the desired position via the shortest path, and means for a determining in dependence upon said difference, the number of possible positions of the motor, and the second evaluation signal the amount by which the motor must be driven in said direction to reach the desired position.

Compl. Specn. 16 Pages.

Drg. 3 Sheets.

CLASS-63H & I

149981.

Int. Cl. F 16 d—27/00

ELECTRONIC REGULATOR FOR MAGNETORQUE EXCAVATOR.

Applicants:—TATA ENGINEERING & LOCOMOTIVE COMPANY LIMITED, JAMSHEDPUR, STATE OF BIHAR, INDIA.

Inventor:—JIBAN KRISHNA GUHA BARMAN, VIVEKANAND SHARMA AND GORA SENGUPTA.

Application No. 550/Cal/78 filed May 20, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims.

An electronic regulator for use in a magnetorque excavator for regulating the current from an alternator to the clutch coils thereof comprising a series pass switching circuit having an input connected to the rectified output of said alternator, an output terminal connected to the field coil of said alternator, a potential divider connected to said switching circuit for controlling the output signal therefrom, said potential divider connected to a differential amplifier having a first input for supplying a reference voltage, and a second input for providing a signal voltage, the output of said amplifier connected to said potential divider

Compl. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS-108C<sub>3</sub>

149982.

Int. Cl. C 21C 5/56.

PROCESS FOR THE PRODUCTION OF STEEL WITH LOW MANGANESE CONTENT.

Applicants:—VACMETAL GESELLSCHAFT FÜR VAKUUM METALLURGIE MBH HEILIGER WEG 44 D-4600 DORTMUND 1/FEDERAL REPUBLIC OF GERMANY.

Inventor:—WERNER HAIEMFIR AND GERT STOTTE.

Application No. 610/Cal/78 filed June 3, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims.

Process for the producing of steels with low manganese content by the refining of a pig iron melt, characterised in that the refined melt is decarbonised in vacuo by means of the dissolved oxygen and carbon producing carbon monoxide as herein-before described, subsequently, the manganese is oxidised under a lime-containing slag with the aid of a refining gas.

Compl. Specn. 9 Pages.

Drg. 1 Sheet

CLASS-190 C

149983

Int. Cl. F03b 3/00.

**HYDRAULIC MACHINES WITH ARRANGEMENT FOR END-FACE SEALING OF GUIDE VANES IN THE DISTRIBUTOR**

*Applicant* :—PROIZVODSTVENNOE OBIEDINENIE TURBOSTROFNIYA "LENINGRADSKY METALLICHESKY ZAVOD", OF LENINGRAD, SVERDLOVSKAYA NABERZHNAYA, 18, USSR.

*Inventors* :—GLFB STEPANOVICH SCHEGOLEV, VITALY VIKTOROVICH VIKHIREV, GENNADY ANTONOVICH YABLONSKY, GRIGORY ABRAMOVICH BRONOVSKY AND VALLNTINA VASILIEVNA OKTAF'VA.

Application No. 640/Cal/78 filed June 12, 1978

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

2 Claims

A hydraulic machine such as hydraulic turbines of the radial-axial, vane-rotational and diagonal types with means for end-face sealing of guide vanes of the distributor of said machine comprising a pair of opposed rims situated in parallel planes and spaced from each other in which a plurality of guide vanes are arranged to form an annular row, the end faces of the vanes being adjacent but spaced slightly from the rims, and rotatable on their journals in parallel with respect to the rims between an open position where liquid can flow between the guide vanes and a closed position where the guide vanes engage each other, said arrangement for end-face sealing of the guide vanes comprising a plurality of seals to prevent liquid from passing between the rims and the end faces of the guide vanes when the latter are in their closed position, each of the seals being disposed in elongate grooves respectively formed in the rims between the holes receiving the journals of the guide vanes, and extending along the entire length of each of the grooves, each seal being made composite in a plane parallel to the end faces of the guide vanes and comprising an inner plate adjacent the bottom of the groove and capable of being displaced in the groove parallel to the end faces of the guide vanes and an outer plate engaging the inner plate and capable of moving in the groove in a plane perpendicular to the end faces of the guide vanes, the inner and outer plates of each seal having surfaces contacting each other and formed of identical teeth sections in longitudinal section by a plane perpendicular to the end faces of the guide vanes, the inner and outer plates of each seal being arranged in the groove so that the smaller section portions of one plate are adjacent the larger section portions of the other plate when the guide vanes are in their open positions, a plurality of retaining means respectively situated in the grooves of the rims for retaining the seals in the grooves and enabling the seals to be urged against the end faces of the vanes to prevent liquid from passing between the rims and the end faces of the guide vanes when the latter are in their closed positions, a plurality of profile cams, each of them being fitted on one of the journals of the guide vanes and having lobes operatively connected with the end portions of the inner plates adjacent the journals of the guide vanes.

Compl. Specn. 17 Pages.

Drg. 2 Sheets.

CLASS-97C & F & 98 D & E & G.

149984

Int. Cl. H05b 1/00; 3/00; F 24h 1/00.

**IMPROVEMENTS IN OR RELATING TO ELECTRIC HEATERS.**

*Applications* :—LINDE AKTIENGESELLSCHAFT, ABRAHAM-LINCOLN-STR 21 D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

*Inventors* :—RUDOLF PAWLIK AND WALTER FIERBECK.

Application No. 676/Cal/78 filed June 19, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims

An electric heater for liquid and/or gaseous media comprising a plurality of electrically heatable tubes for the passage of the medium to be heated, said tubes being electrically conducting thereby directly heating the tubes by resistance heating and each of said tubes being mounted at least one end in a heat-resistant, electrically insulating support plate, a plurality of said tubes being mounted in correspondingly-shaped apertures in a common carrier plate.

Compl. Specn. 10 Pages

Drg. 1 Sheet

CLASS-110

149985

Int. Cl. D05C 15/24.

**TUFTING MACHINE INCLUDING A CUTTING MECHANISM.**

*Applicant* :—ABRAM NATHANIEL SPANEL, OF 344 STOCKTON STREET, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

*Inventors* :—PHILIP FRANK FILAND, DAVID RAY JACOBS AND DAVID NEWCOMB BUELL.

Application No. 478/Cal/78 filed June 27, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Delhi Branch.

13 Claims.

In a tufting machine a cutting mechanism characterized by: a first blade having at least one opening therein through which at least one yarn strand projects; and at least one reciprocating blade biased and positioned so as to travel across said opening with said biasing causing said reciprocating blade to bow into said opening through the surface of the place of said first blade facing said reciprocating blade thereby severing the yarn strand as said reciprocating blade passes across said opening.

Compl. 19 Pages

Drg. 5 Sheets

CLASS-44 & 206F

149986

Int. Cl. G04C 17/00.

**ELCTRONIC DEVICE AND METHOD OF FABRICATING THE SAME**

*Applicants* :—HITACHI, LTD., OF 4, 1-CHOME MARUNOUCHI, CHIYODA-KU, TOKYO, JAPAN.

*Inventors* :—HIDEKI KOSAKA, TSUTOMU MIMATA, TSUYOSHI SHIMIZU, HIDEHARU YAMAMOTO, KAORU ITOH AND YASUHUSA SHIMA.

Application No. 711/Cal/78 filed June 27, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

17 Claims.

An electronic device comprising a semiconductor integrated circuit element in an enclosure embedding said element therein, lead conductors for connecting said element and electronic parts of said device, and a block having a receiving therein at least one of said electronic parts, the lead conductors extending from said enclosure to said block and each having portions respectively buried in said enclosure and block, at least some of the lead conductors having portions exposed from said enclosure and from said block for making a connection between a display device and said element, said portions being held with the two ends thereof buried in at least one of said block and said enclosure, the block having a hole exposing a part of at least one of said lead conductors buried in said block, said at least one electronic part being electrically connected to said at least one of said lead conductors through said hole of the block.

Compl. Specn. 112 Pages

Drg. 58 Sheets.

CLASS-32 E

149987.

Int. Cl. C08f 1/00; 3/30.

## AN IMPROVED METHOD FOR THE POLYMERIZATION OF VINYL CHLORIDE MONOMER.

*Applicants* :—SHIN-ETSU CHEMICAL CO., LTD., OF 6-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.*Inventors* :—SHUNICHI KOYANAGI, HAJIME KITAMURA AND KAZUHIKO KURINOTO.

Application No. 808/Cal/78, filed July 22, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

12 Claims. No drawings.

An improvement in a method for the polymerization of vinyl chloride monomer or a monomer mixture mainly composed of vinyl chloride in an aqueous medium containing a water-soluble suspending agent to form a polymerization mixture and in the presence of a water-insoluble polymerization initiator which is solid at room temperature characterized in that the improvement comprises in adding the water insoluble polymerization initiator, to the polymerization mixture in the form of an aqueous dispersion having a particles size of not exceeding 50 um while the polymerization mixture is maintained at a temperature in the range from room temperature to a temperature at which the half-life period of the polymerization initiator is at least 120 minutes.

Compl. Specn. 20 Pages.

Drg. Nil.

CLASS-97C

149988.

Int. Cl. F 24h 1/14.

## ELECTRIC WATER HEATER.

*Applicants* :—VALUES PTY. LTD., OF 30 CHARLES STREET, BENTLEY, COMMONWEALTH OF AUSTRALIA.*Inventor* :—RAYMOND JOHN HUGHES WALTERS.

Application No. 821/Cal/78 filed July 27, 1978.

Convention date 29th July, 1977 (PD 1040/77) Australia.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims.

An electric water heater comprising a heater body, a continuous tortuous water passage formed in the body and connecting a water inlet and water outlet, an open wire or unsheathed electric heating element located within a portion of the passage, the portion of the passage accommodating the element having a greater cross-sectional area than the remainder of the passage and being located sufficiently far from the water inlet and the water outlet for the water in the passage to provide an effective electrical insulating barrier, the portion of the passage accommodating the element being arranged to receive the heating element through one of a pair of plugable openings located one at each end of said portion.

Compl. Specn. 6 Pages.

Drg. 4 Sheets.

CLASS-34A.

149989.

Int. Cl. D01d 11/00. D01d 5/14.

## PROCESS AND APPARATUS FOR THE CONVERSION OF AN ATTENUABLE MATERIAL INTO FIBRES.

*Applicants* :—SAINT-GOBAIN INDUSTRIES, OF 62 BOULEVARD VICTOR HUGO, NEUILLY-SUR-SEINE, FRANCE.*Inventors* :—MARCEL LEVECQUE, JEAN ANTOINE BATTIGELLI AND DOMINIQUE PLANTARD.

Application No. 895/Cal/78 filed August 16, 1978.

Convention date 30th May, 1978 (23724/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims.

Process for the conversion of an attenuable material into fibres by means of gaseous currents, characterised in that it consists essentially of establishing at least one gaseous jet, deflecting it along a curved path and laterally confining it, thereby producing a pair of counter rotating tornadoes having their origins on the lateral surfaces of the deflected flow, and conducting the material in the form of a stream in the attenuable state to the concave surface of the path of the jet in the gas induced by the latter.

Compl. Specn. 21 Pages.

Dig. 3 Sheets.

## OPPOSITION PROCEEDINGS

(1)

Opposition entered by Belpahar Refractories Ltd to the grant of a patent on application No. 142353 made by Dalmia Institute of Scientific and Industrial Research, notified in the Gazette of India, Part III, Section 2 dated the 14th January, 1978 has been dismissed and a patent on this application will be sealed subject to the amendment of the specification.

(2)

The opposition entered by Orissa Cement Limited to the grant of a Patent on application No. 148933 made by Director General, Cement Research Institute of India, as notified in Part-III, Section 2 of the Gazette of India, dated the 20th February, 1982 is deemed not to have been launched and a patent is order to be sealed on application No. 148933.

(3)

An opposition has been entered by M/s. Mahavir Products to the grant of a patent on application No. 149522 made by M/s. TT (Private) Limited.

(4)

An opposition has been entered by M/s. Anjali Products to the grant of a patent on application No. 149522 made by M/s. TT (Private) Limited.

## PATENTS SEALED

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149213 149216 149245 149249 149255 149269 149289 149291  
149301 149305 149207 149318 149320 149322 149329 149331  
149339 149340

## RENEWAL FEES PAID

111227 111230 112681 115756 116131 116611 117142 121466  
121494 121527 121856 123301 123327 126718 126882 126901  
127163 127739 131518 131608 132008 135054 135602 135645  
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## CESSATION OF PATENTS

105663 105672 105689 105690 105691 105696 105703 105717  
105718 105720 105721 105729 105731 105748 105770  
105817 105863 105885 105892 105894 105895 105897 105907  
105910 105919 108390 114615 121946 147609

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 137298 dated the 27th October, 1972 made by SAF-Gard Systems, Inc., on the 22nd October, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 29th March, 1980 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 147285 dated the 5th October, 1978 made by

Rathi Industrial Equipment Co. Pvt. Ltd., on the 11th May, 1981 and notified in the Gazette of India, Part III, Section 2 dated the 5th December, 81 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 3. No. 151227 Shree Agencies, 4E/13, Jhandewal an Extension New Delhi-110055 (India) an Indian partnership firm, "Car Wheel Cover" October 14, 1981.

Class. 3. No. 151226 Shree Agencies, 4E/13, Jhandewal an Extension New Delhi-110055 (India) an Indian partnership firm, "Car Wheel Cover" October 14, 1981.

Class. 3. No. 151220 Zenith Tin Works Private Limited, a company incorporated and existing under the Indian Companies Act, 1956 of Clerk Road, Mahalaxmi, Bombay; Maharashtra, (India); "Container" October 12, 1981.

Class. 3. Pandurang Bhawanishankar Balekar, Indian National, at 9, Suvojana Society, Koregaon Park, Pune-411001. State of Maharashtra, India; "Closure Cap", October 12, 1981.

Class. 3. No. 151072. Young Man Plastics, B-1, Industrial Area, Wazir Pur, Delhi-110052 an Indian National and Partnership concern, "Foot Wear" August 7, 1981.

Class. 3. No. 151055. Ahmed Oomerbhoy, Ahmed Oomer Street Two Tanks, Bombay-400008, Maharashtra State, India, an Indian Partnership firm, 'a front panel of a plastic bottle of A.O. Blend Pure Coconut Oil" August 1, 1981.

Class. 3. No. 151283. Mini Trading Corporation 5-B Kanchan Villa Goraswadi, Malad West, Bombay-400064, Maharashtra, an Indian Partnership firm, Lid of the Container". October 31, 1981.

Class. 3. No. 151402. Muthuliaman Palaniappan, Sole proprietor, Sabari Starch, A-31, Industrial Estate, Thattanchavadi, Pondicherry-605-009, India, "Bottle" December 14, 1981.

Class. 3. No. 151459. Mipil Products & Packagings Private Limited, a private limited company incorporated under the Indian Companies Act, Lilani Estate, J. B. Nagar, of Andheri, Kurla Road, Andheri East, Bombay-400059, Maharashtra, "Container with Cap" January 11, 1982

Class. 3. No. 151077. Crysclear Containers Private Limited, (an existing Company under the Companies Act, 1956) at Crescent Mansions, 161, Samuel Street, Bombay-400009. State of Maharashtra, India, "Bottle" August 10, 1981.

Class. 3. No. 151062. Revlon (Suisse) S.A., a Swiss Corporation having an address at Limmatstrasse, 275, Zurich, Switzerland, "Bottle" August 5, 1981.

Class. 3. No. 151061. Binod Kumar Dalmia & Sandipkumar Mahansaria, and both of 8, Camac Street, Room 15, Floor 8, Calcutta-17, West Bengal, India. both Indian, "Bottles" August, 4th, 1981.

Class. 3. No. 151207. Fragrances Inc., 296, P. Nariman Street, Sangli Bank Building, 3rd Floor, Fort, Bombay-400001, Maharashtra, an Indian Partnership firm, "Cap" October 12, 1981.

Class. 3. No. 151076. Young Man Plastics, B-1, Industrial Area, Wazir Pur, Delhi-110052 an Indian National & Partnership concern, "Foot Wears" August 7, 1981.

Class. 3. No. 151075. Young Man Plastics, B-1, Industrial Area, Wazir Pur, Delhi-110052 an Indian National & Partnership concern, "Foot Wears" August 7, 1981.

Class. 3. No. 151074. Young Man Plastics, B-1, Industrial Area, Wazir Pur, Delhi-110052 an Indian National & Partnership concern, "Foot Wears" August 7, 1981.

Class. 3. No. 151073. Young Man Plastics, B-1, Industrial Area, Wazir Pur, Delhi-110052 an Indian National & Partnership concern, "Foot Wears" August 7, 1981.

Class. 3. No. 151160. Trescho Incorporation, 290/288, Nagdevi Street, 1st Floor, Room No. 12-A, Bombay-400003. Maharashtra, an Indian Partnership firm, "Cap of Bottle", September 19, 1981.

Class. 3. No. 151084. Asian Advertisers, 20, Kula Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, an Indian Partnership firm, "Wall Calendar". August 11, 1981.

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